Rec'd Jan 27th
ans Febr 25

BOTANIC GARDEN,
CAMBRIDGE, MASS.

24 Jany, 1876

Dear Engelmann

It is fully time I responded to your letter of the 9th

Thanks, many, for the nice figures of Wolffia.

I wrote to publishers to post to you the Manual; please accept it. They print it badly of late. But we will have that done better one of these days.

— Yes, send the seed of Pinckneya.

Also a specimen of Pycnanthemum Arkansanum.

I hope you have my new Contrib. (Polemoniaceae &c)

Of my ~~Yucca~~ Aloe yuccaefolia I had 2 live plants, & sent lately one to Hooker's

It never flowered but once, years ago. I will see if I can send you an old seed or so.

How Yucca polygamous? Y. filamentosa in the garden every year produces flowers of which I should say 2/3 in each panicle, or 1/2 — have only an insignificant rudiment of a pistil! Ask me next July for some!

MISSOURI B
GEORGE E

Rothrock wants — just what I can't give him. — Those E. & Abl. & f.: ~~Caly~~ Campanulaceæ. — of which — so scanty were they I could take only bits. Whereas they would bear any thing more specimens went 1st to Kew. 2d — to Paris — Poor Paris. We are getting sick of King Emperor William!

RI BOTANICAL GARDEN
ENGELMANN PAPERS

Perhaps Parry might lend the originals. But now — on 4 hours notice — Watts, Lea & C. Wright — are off for San

Domingo!
Do you attend to Codono-crinum — Humboldt's Yucca of Caraccas? &

Polycarpon depressum. Nutt. I have not. Torrey must have it. Probably my P. 4-phyllum.
Rohrbach will find it at Brit. Museum.

Ever yours

Asa Gray

So Paris gives up.
what next?

Rec^d Febr 3^d
An — 5

Jany 31, 1871

Dear E,

So our letters crossed. Yours of 20^th coming just after I had despatched one.

Braun sent his Marsilea-paper.

Dr. Hätter. of N. Orl. I never heard of.

— Yes. I must put by specimens for ~~it~~ you, when I can.

I have just done Salvia to my general content — except that I have no idea at all what Salvia coriifolia Scheele is. And yet one of Lindheimer. no. 1846. Can you help me. Ever A. Gray

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

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MISSOURI
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Recd Febr 17
ans — 25

BOTANIC GARDEN.
CAMBRIDGE, MASS.

Feb. 13, 1871

Dear E.

I have yours of 5th inst:—

I don't complain of the Germans. I think they do it as properly as they can. But I pity the poor French very much — a hard lot, & dreadful humiliation — The first glimmerings of good sense; likely to lead towards recuperation and a healthy future — is seen in the elections — showing that Louis Nap. & the red-republicans — are the [illegible] shown —

that the Orleanists
are likely to get the
lead — and that is the
best thing every way,
Constitutional rule.

Yucca acaulis. —
About all published is
the name — — in
Roem. & Schult. You
have that work — I
suppose; If not I
will copy out for you
what there is.
I don't quite make
out if you have
Fendler's specimens —
No — 1548, 2173. but I
presume you have.

MISSOURI B
GEORGE EN

My Aloe yuccaefolia
I sent you a valve
or half-valve of.
— no further dissepiment.

I dare say Hindle's
2579. with leaves
for all the world like
those of Agave —
& a simple dense raceme
or spike, is a true
congener. I send you
flowers,

BOTANICAL GARDEN
ENGELMANN PAPERS

I can help you to
fruit only of Aloe
arborescens. G. B.

I can give you plenty of flowers of Fendler's Yucca acaulis.

"Salvia, Lindh. 673,"
~~I don't have the sp.~~ –
~~Does it answer to Wright no. 444, Aug. 1849, Comanche Spring"?~~

— Salvia pentstemoides, Kunth & Bouché — a remarkable sp.!

So S. coriifolia Scheele you think S. azurea var.?
What number of Lindh.?
Send a bit of it, if I have it not.

"Stachys ambrosa." will see about in due time.

Lindh. 496 = Hedeoma acinoides, Scheele: good sp.!

Rec'd Febr 17 1871

Feb. 13 – 71

Add'd,

Ah, you have not Fendler's Yucca ÷ Nutt, I send you flowers,

Poliomintha longiflora, is Gregg's 313. And I have – & had annotated – your ~~list~~ copy of his list, – It is from Saltillo. fl. "pale red", shrub 1 foot, Common

Thanks. Good night.

A. Gray

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Cambridge. Feb. 18.

Dear E.

Here are 2 nos. of Bot. Zeitung: Please return, — & with it, if you please, an abstract, or the upshot of Mohl on leaves of Sciadopitys. I am desirous of knowing what he is about — and it is in your line.

Missouri Botanical Garden
George Engelmann Papers

I am glad the Orleanists are likely to get back to France — the best chance for the poor country.

Ever A. Gray

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MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Rec.d March 7
Ans — 30

Codonocrinum —?

Dear E, March 2, 1871

Times of 25. is in — with the 2 Bot. Zeit, & abstract — thanks. Nebraska is in a mo. which is lent out yet. I will send it in time.

I get letters from Wright: he sees many things not in Cuba —

Hallo! As to Codono-crinum. I must see by daylight. I'll copy Roem. & Schult. — may a few words.

I like neither Nealoe nor Yuccaloe. A nicer name for looks & sound, and sense to would for Hesperaloe. You are welcome to the suggestion.

MISSOURI BOTAN
GEORGE ENGEL

Agassiz is better — does a little — more pottering. He is crazy for the French — curses the Germans roundly — and for all the world wants a French Republic — (incompatible terms I fear).

Thanks for settling the Salvia coriifolia question

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Fendler 2579. I meant that the leaves look like those of Agave; i.e. — flat & spiny edged.

Ever Yours

A. Gray

3d. You are right. All Fourcroya

Kunth made a blunder & so suppressed all notice of his Yucca acaulis, both under Yucca & under Fourcroya in

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Enum.

The flower I just soaked, from Fendler's — has no style & no ovules in ovary. — polygamous.

A. G.

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GARDEN

This is all I have to say
at present.

Is Gray back? I'll
write him when I know
where to find him, though
I think he owes me letters.

Look in the Garden at
Yucca, plants ~~and tell~~ which have
flowered this season, and tell
me whether the new shoots which
are to flower 1872 or 73 come
from between the upper leaves, near
the scape of this year, 1871 or from
the subterranean stem. The true
Yucca filamentosa sprouts from
the upper leaf-axils, several
other filamentose species from
the subterranean stem only.

for Gray

Please cut this out for Gray

Yours truly

G Engelmann

Answer - over the leaf

No sprouts seen yet from side of scape or among the leaves.

Some show sprouts (whether to flower?) below next the ground.

Yet I *suppose* this *is* the true Yucca filamentosa, unless there is another like it native of Virginia.

A.G.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Rec May 16 1871
Ans Jun. 13

Dear E., May 12. 1871

Laid up a day in bed — hoarse cold — loss of voice from over use. — & so to-day good for little, I can drop you a line, Dreadful busy at this season — And — as I think you know, I am building — (having found a man to pay for it) a lecture-room & Bot. laboratory up here, & a store-house — — all to fill space between Herbarium & present Conservatory. I have to see every bit of ~~woo~~ brick or

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MISSOURI BOTA
GEORGE ENGEL

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stone or wood thro' my own brain,

And classes press this month. — and we are replanting quite the Garden

Thanks for Pinckneya fruit & seed.

New Pine of Elliott, famous

Coronarium — Yucca R. & S., Hexandria of course

C. Wright is at home at Wethersfield

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now. — for a while —
Agassiz going to Cali=
fornia and Cape Horn!
will do him good — He
can make no speeches
at sea!

Hesperaloe I like
the shape & sound of
better than Aloeides
— with 3 vowels together —
& better than Pseudaloe
But taste differs.

That Opuntia came
it is said from S. Coast
of New England! — came to
us last fall, from some one.
Plants of St. Domingo not
come yet, except Algæ. —
Sorry no botany in Cuba fr.
Ever yours
A. Gray

Rec Juni 28
Ans — 29 6 — June 24, 1871

Dear E.

Yours of 13th in hand and enclosure delivered to Brewer. I have had 10 days holiday. New York, & seen fine places on Hudson River — studied heating conservatories. & so on — am busy now with buildings, & hope to get to work on Botany again.

Hope to get away for Indianapolis, but only a hurried run — hope to meet you there. Can't go to St. Louis to see you till next year.

Parry & wife have been here a few days — left yesterday. My wife will go only to Beverly to stay this summer, a few weeks, — cool on the coast.

Please forward letter & stir him up

Mrs Gray sends love to Mrs E.,
& yourself. Ever yours,

A. Gray

MISSOURI
GEORGE

A few years ago we went
as far as Michigan in the
of summer, and it half
killed her.

I'll get some Opuntia
vulgaris from Long Island
for you, if you want, —
specimens,

BOTANICAL GARDEN
ENGELMANN PAPERS

I am taking now to
Cactus & other succulent
vegetation, my ~~[illegible]~~ little
conservatory next study is a
good place to winter them.

Our Yucca filamentosa
is in bud only. When
out I will send you the
flowers, & show the polygamy.

Will not Lindheimer
stir up & get seeds —

Linum Berlandieri we will
try for [illegible].

Recd July 14
Ans — 23

Typha

Buckley!

Palmer

July 10, 1871

My Dear ~~Mr. Lindheimer~~ Engelmann

I am going to write to you, & to respond to two letters, as soon as Yucca-flowers are out. They are now in full bud.

I was going to write to Lindheimer — but I doubt if he can read what I should write. You can. I want to stir him up, to pick

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GE RGE ENGELMAN

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up for me and
my correspondents –
AL GARDEN
IN PAPERS
himself such seeds
as are right about
him: and to see
that somebody gets
those further N.
Will about 50
dollars a year
tempt him?
I want seed
of things we once
had from him, but
are now lost to
gardens. – There are
one or two –

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Salvia Roemeriana. The form now in cult. is poor & mean compared with what we used to have from Texas.
" pentstemonoides

Palafoxia Hookeriana. The Texan plant was a fine one; the one now cult., a poor little thing.

Thelesperma filifolia —
" gracilis —

Amblyolepis setigera. it is nice!

Agassizia — [Lindheimera we keep & had, indeed, most composite

Linum Berlandieri "Ceterum censeo"

& almost every thing.

Pray stir him up —

Ever A. Gray

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GEORGE ENGELMANN PAPERS

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Rec'd July 20
Ans — 27

July 11, 1874,

My Dear Engelmann

Yucca out at length. Y. filamentosa. I have put a specimen in press too, as well as sent you flowers and buds by mail.

It is not the pistils that are abortive — as I misremembered — but the stamens. — only abortive anthers to be seen. In fact this year so far, on the two plants flowering, not one full-formed anther to be found. —

In Bot. Zeit., no. 24, June 16, is an article by Goeppert, on how frost kills plants; What is the upshot of it?

MISSOURI BOTAN
GEORGE ENGELM

Have I asked about Q. agrifolia? No doubt, in Danish in Kiob. Meddels. long paper by Oe., on Amer. Oaks

---

You bet; no "stemlet" lengthening either in Yucca or Agave. It is the Cotyledon that lengthens in both, but most in former

The place where 2d leaf starts shows that. I do not know a lengthened "radicle" or the "cauliculus" in any Monocot.? Do you?

Solanum confertum
+ mollitum.

in my Herb. were together. I am confident. May your *confertum* be *viscosum*?

Hooker is home again. I will forward the enquiry about the box you sent.

Perhaps you had best

Send them to me, thereafter.

Ever yours

A Gray

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on the stigmas.
Then the pollen is
so scanty in the
anther. But I
have magnified
some of the grains,
& they have fovilla
in good abundance.

I have not "Typha
of Rohrbach"
Get ripe seeds if
they turn up, of
Scutellaria nervosa.
Ask Dr. Mendel of
Penna, if you know him,

Rec^d July 31 1871
Ans^d Aug 3

Look at my last revision of Nama, and see if I do not value sculpture of seeds — learned from you, mostly, Might at length teach me,

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Ever

26 July — 1871 A.G.

Sept 15

H B Brady Newcastle
England

Aug. 31, 1871

My Dear Dr. Engelmann

This is to intro-duce Mr. Brady, a friend of Professor Oliver and Mr. Hanbury, who has some enquiries & messages from the latter to propound

Mr. Brady is famous in Protozoa and the

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MISSOURI BOT
GEORGE ENG

like, and may count, I know, upon your furthering his wishes and bringing him into friendly communication with any one at all in his line in your region.

Believe me to be ever yours

Asa Gray

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Cambridge

Rec. Nov 9th
Ans — 15

Dear E,

Nov. 4, 1871

It is an age since I have written. Classes & new buildings here have occupied every minute — never sit down till evening — then a press of correspondence that can't be postponed — and so I never reach your letter. I am tired of this sort of life.

Who was Conrad Sprengel? When & where lived; any relation to Kurt?

Mr. Peck sent me the Arceuthobium, & I told him what it was. I supposed it A. campylopodum.

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Dear friend,

I believe I have nothing you have not seen. Yet I ought to have looked to see what Lyall may have collected. But when Brewer was packing & called on me. I could not stop

MISSOURI BO
GEORGE EN

I dare say I have other letters of yours unacknowledged, — but I cannot get down to them yet.

Ever Yours

A. Gray

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Christian Conrad Sprengel –
Discovered
the secrets of Nature in the structure
and fertilisation of flowers.
Berlin 1793. 444 pages & 25 plates

Spr. Rector at Spandau,
afterwards living in Berlin.
privat gelehrter

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Recd. Nov. 27th
Ans same day

Dear Engelmann

Nov. 26. 71

I shall be a better correspondent one of these days, & am always better than Torrey. The good man is to be here to-morrow.

Glad my specimens & Eichler's drawings are of use.

"It never rains but it pours" is an old proverb — no longer true of the weather — but applies to Arceuthobium. Leggett of New York sent me some bits of the one Peck sends (♂), which a lady got in N. part of Saratoga Co. — near the Adirondacks — where it is so abundant that it is thought to be killing the

black Spruces —
And nobody found it all
this while! There it
is!

I will ask — but no
doubt Campylopodium
is as good as brachypodium
Yet euphony would prefer
Campylopodium — & it
seems a good adjective
form, of a Latin sort,
There is a diminutive Greek
podion

Anyhow, there was no
call for Eichler to change
the name, & it was probably
a slip.

Viscum Bolleanum Seemann.
Have I got it? Yes,— I send
you such bits as I can pick off.

MISSOURI BOTA
GEORGE ENGEL

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BOTANICAL
GARDEN

There is a good figure, with details in ~~Bot. Herald~~ Bot. Herald. q. v.

Perhaps I should have a tracing for you. If Torrey does not trace it for you to-morrow, my wife will. The Herbar. is shut.

I ignored your question

Why are Arceuthobia &c.
in large colonies of one sex?
Because I don't ~~know~~ know,
& Can't guess.

Ever Yours

A Gray

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GARDEN

Recd Dec 9th
ans Dec 22

Dear Engelmann 1871

BOTANIC GARDEN
CAMBRIDGE, MASS.

Dec. 6. –

Yours of Nov. 27. in. –
I will see what I can
send you of Corylus fls.

Viscum Bolleanum, Seemann.
~~Bot. Herald~~ Bot. Voy.
Herald – from it the
plate was copied – a good
part of it – by Torrey

I have supplied Oliver
(Kew) pretty well with
Persimmons – from Virginia
– some in spirits.

I had not taken up the
Vitis vulpina question. &
forget what my man. says,
But I suspect the best way

may be, as you say — to
Resp Vulpina L., & ~~Resp~~
Resp rotundifolia & cordifolia..

But Vitis vulpina L.,
is founded not on Kalm's
specimen, which is from more
N. ~~&~~ than Virginia — but on 'Pluk-
enets' "V. Vulpina dicta
Virginiana nigra." —
of that I could find no
specimen in Hb. Pluk,
(Br. Mus). Yet I
suppose it = rotundifolia
Mx!

Elliott says that this
is everywhere in low country
called Fox-Grape —

MISSOURI BOT
GEORGE ENG

and it turns ~~a good~~ much
on that.
Nobody N. calls V. cordi=
folia Fox-Grape

Well, Linnaeus's
Fox Grape came
from South — so I
would keep Fox-Grape
V. vulpina for that —
in spite of M. L.

Clayton is not cited
by Linn. — so
no help there.

Here are what
Coryli of I can
send   Ever
A Gray

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ENGELMANN PAPERS